

Abstracts

Masers and Millimeter Waves

F.S. Barnes. "Masers and Millimeter Waves." 1962 PGMTT National Symposium Program and Digest 62.1 (1962 [MWSYM]): 172-175.

This paper examines the characteristics of several types of proposed masers to see what characteristics they can be expected to have in the region between one and a tenth millimeter. In particular, estimates are given for the maximum power output and efficiency of a number of maser systems operating as oscillators or power sources. Additionally, the expected noise temperature for maser systems in this frequency region are compared with those at lower frequencies.

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